

PATENT
10/728,165

In response to the Office Action (Non-Final), mailed October 5, 2007, please amend the claims to read as follows.

- 1 1. (previously presented) A computer implemented user interactive method for graphically displaying the proportion of a total value of a time dependent variable contributed by each of a set of elements comprising the steps of:
 - 5 displaying the proportion contributed by each element of the same time dependent variable as an area within an ordered set of areas under a line representative of the total value of said time dependent variable;
 - 9 enabling the user to interactively select one of said set of areas; and
 - 11 performing a selected operation selected from the group consisting of hiding the selected area, displaying the selected area and reordering the position of the selected area within said ordered set responsive to said user selection.
- 1 2. (original) The method of claim 1 wherein said ordered set of areas under said line comprises a stacked area graph formed by said ordered set of areas under said line.
- 1 3. (original) The method of claim 2 wherein:
 - 2 the selected operation performed is hiding the selected area; and
 - 4 further including the step, responsive to said hiding step, of reforming at least one of the remaining displayed areas so as to represent the resulting change of said reformed area within said ordered set of stacked areas.

1 4. (original) The method of claim 2 wherein:
2 the selected operation performed is displaying a
3 selected undisplayed area; and
4 further including the step, responsive to said step of
5 displaying, of reforming at least one of the other displayed
6 areas so as to represent the resulting change of said
7 reformed area within said ordered set of stacked areas.

1 5. (original) The method of claim 2 wherein:
2 the selected operation performed is reordering the
3 position of the selected area within said ordered set; and
4 further including the step, responsive to said step of
5 reordering the position of the selected area within said
6 ordered set, of reforming at least one of the other
7 displayed areas so as to represent the resulting change of
8 said reformed area within said reordered set of stacked
9 areas.

1 6. (original) The method of claim 2 further including the
2 step of:
3 displaying a plurality of icons each representative of
4 one of said areas whereby the user may select one of said
5 areas by selecting the icon representative of the selected
6 area.

1 7. (original) The method of claim 2 further including the
2 step of:
3 displaying a plurality of icons each representative of
4 one of said areas whereby the user may reorder the position
5 of the selected area by reordering the position of the
6 selected icon representative of the selected area.

1 8. (previously presented) A data processor controlled user
2 interactive display system for graphically displaying the
3 proportion of a total value of a time dependent variable
4 contributed by each of a set of elements comprising:

5 means for displaying the proportion contributed by each
6 element of the same time dependent variable as an area
7 within an ordered set of areas under a line representative
8 of the total value of said time dependent variable;

9 means for enabling the user to interactively select one
10 of said set of areas; and

11 means for performing a selected operation selected from
12 the group consisting of hiding the selected area, displaying
13 the selected area and reordering the position of the
14 selected area within said ordered set responsive to said
15 user selection.

1 9. (original) The display system of claim 8 wherein said
2 ordered set of areas under said line comprises a stacked
3 area graph formed by said ordered set of areas under said
4 line.

1 10. (original) The display system of claim 9 wherein:
2 the selected operation performed is hiding the selected
3 area; and
4 further including means, responsive to said hiding
5 operation, for reforming at least one of said remaining
6 displayed areas so as to represent the resulting change of
7 said reformed area within said ordered set of stacked areas.

PATENT
10/728,165

- 1 11. (original) The display system of claim 9 wherein:
 - 2 the selected operation performed is displaying a
 - 3 selected undisplayed area; and
 - 4 further including means, responsive to said displaying
 - 5 of said undisplayed area, for reforming at least one of the
 - 6 other displayed areas so as to represent the resulting
 - 7 change of said reformed area within said ordered set of
 - 8 stacked areas.
- 1 12. (original) The display system of claim 9 wherein:
 - 2 the selected operation performed is reordering the
 - 3 position of the selected area within said ordered set; and
 - 4 further including means, responsive to said means for
 - 5 reordering the position of the selected area within said
 - 6 ordered set, for reforming at least one of the other
 - 7 displayed areas so as to represent the resulting change of
 - 8 said reformed area within said reordered set of stacked
 - 9 areas.
- 1 13. (original) The display system of claim 9 further
 - 2 including a plurality of icons on said display each
 - 3 representative of one of said areas whereby the user may
 - 4 select one of said areas by selecting the icon
 - 5 representative of the selected area.
- 1 14. (original) The display system of claim 9 further
 - 2 including:
 - 3 a plurality of icons on said display each
 - 4 representative of one of said areas; and
 - 5 means enabling the user to interactively reorder the
 - 6 position of the selected area by reordering the position of
 - 7 the selected icon representative of the selected area.

15-20 (cancelled).

1 21. (original) The method of claim 2 wherein said selected
2 operation is performed by morphing the displayed stacked
3 area graph through an animated display sequence of stacked
4 graphs.

1 22. (original) The display system of claim 9 wherein said
2 means for performing said selected operation, perform the
3 operation by morphing the displayed stacked area graph
4 through an animated display sequence of stacked graphs.

23. (cancelled)

1 24. (currently amended) A computer ~~program comprising a~~
2 ~~computer useable readable~~ medium having a computer readable
3 program stored therein for graphically displaying the
4 proportion of a total value of a time dependent variable
5 contributed by each of a set of elements, wherein the
6 computer readable program when executed on a computer causes
7 the computer to:

8 display the proportion contributed by each element of
9 the same time dependent variable as an area within an
10 ordered set of areas under a line representative of the
11 total value of said time dependent variable;

12 enable the user to interactively select one of said set
13 of areas; and

14 perform a selected operation selected from the group
15 consisting of hiding the selected area, displaying the
16 selected area and reordering the position of the selected
17 area within said ordered set responsive to said user
18 selection.

1 25. (currently amended) The computer program readable medium
2 of claim 24 wherein said ordered set of areas under said
3 line comprises a stacked area graph formed by said ordered
4 set of areas under said line.

1 26. (currently amended) The computer program readable medium
2 of claim 25 wherein said computer program causes the
3 computer to:

4 perform the selected operation of hiding the selected
5 area; and

6 responsive to said hiding, reform at least one of the
7 remaining displayed areas so as to represent the resulting
8 change of said reformed area within said ordered set of
9 stacked areas.

1 27. (currently amended) The computer program readable medium
2 of claim 25 wherein said computer program causes the
3 computer to:

4 perform the selected operation of displaying a selected
5 undisplayed area; and

6 responsive to displaying said undisplayed area, reform
7 at least one of the other displayed areas so as to represent
8 the resulting change of said reformed area within said
9 ordered set of stacked areas.

1 28. (currently amended) The computer program readable medium
2 of claim 25 wherein said computer program causes the
3 computer to:

4 perform the selected operation of reordering the
5 position of the selected area within said ordered set; and
6 responsive to said reordering, reform at least one of
7 the other displayed areas so as to represent the resulting
8 change of said reformed area within said reordered set of
9 stacked areas.

1 29. (currently amended) The computer program readable medium
2 of claim 25 wherein said computer program further causes the
3 computer to:

4 display a plurality of icons each representative of one
5 of said areas to enable the user to select one of said areas
6 by selecting the icon representative of the selected area.

1 30. (currently amended) The computer program readable medium
2 of claim 25 wherein said computer program further causes the
3 computer to:

4 displaying a plurality of icons each representative of
5 one of said areas to enable the user to reorder the position
6 of the selected area by reordering the position of the
7 selected icon representative of the selected area.

8 31. (currently amended) The computer program readable medium
9 of claim 25 wherein said computer program further causes the
10 computer to:

11 enable the user to morph the displayed stacked area
12 graph through an animated display sequence of stacked
13 graphs.